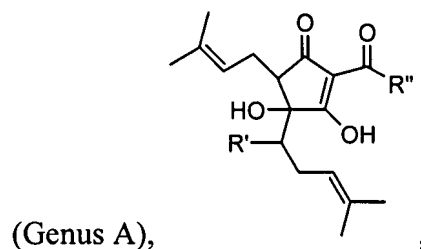


Amendment to the Claims

A listing of the claims presented in this patent application appears below. This listing replaces all prior versions and listings of claims in this patent application.

1. (Canceled) A composition for reducing PGE2 mediated inflammation, comprising a reduced isoalpha acid (RIAA) and isoalpha acid (IAA) isolated from hops, wherein the RIAA and IAA are in a ratio of about 3:1 to about 1:10 and wherein said RIAA and IAA individually comprise at least 0.1% of the composition.
2. (Canceled) The composition of claim 1, wherein said isoalpha acid is selected from isohumulone, isocohumulone, and isoadhumulone.
3. (Canceled) The composition of claim 1, wherein said reduced isoalpha acid is selected from dihydro-isohumulone, dihydro-isocohumulone, and dihydro-adhumulone.
4. (Currently Amended) A method for reducing PGE2 mediated inflammation, comprising administering a composition comprising a reduced isoalpha acid (RIAA) and isoalpha acid (IAA) isolated from hops, wherein the RIAA and IAA are in a synergistic ratio of about 3:1 to about 1: 10 and wherein said RIAA and IAA individually comprise at least 0.1% of the composition.
5. (Previously Presented) The method of claim 4, wherein said isoalpha acid is selected from isohumulone, isocohumulone, and isoadhumulone.
6. (Previously Presented) The method of claim 4, wherein said reduced isoalpha acid is selected from dihydro-isohumulone, dihydro-isocohumulone, and dihydro-adhumulone.

7. (Currently Amended) A method for reducing PGE2 mediated inflammation, comprising administering at least two compounds of Genus A having the formula:



wherein R' is selected from the group consisting of carbonyl, hydroxyl, and oxygen;
and wherein R'' is selected from the group consisting of $\text{CH}(\text{CH}_3)_2$, $\text{CH}_2\text{CH}(\text{CH}_3)_2$, and $\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$, wherein at least one compound is an RIAA and at least one compound is an IAA, wherein the two compounds are in a synergistic ratio of about 10:1 to about 1: 10 and wherein said RIAA and IAA individually comprise at least 0.1% of the composition.